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Ad

control SPACE and SOUND!

ADVANCED
FOLDING PARTITIONS

ADVANCED EQUIPMENT CORPORATION • 1000 E. SOUTH ST. • ANAHEIM, CALIFORNIA

AIA FILE NO. 35-H-6

ADVANCED FOLDING PARTITION FEATURES

EXTRUDED ALUMINUM EDGE TRIM

Standard on all partitions
Protects and beautifies.

(Matching wood edge
available when specified.)

FRICTION-FREE BALL BEARING HINGES

Insure smooth, easy,
trouble free operation.

Advanced Folding Partitions provide efficient, attractive and practical control of space. Rugged, superior construction affords effective sound control. Advanced offers complete freedom in architectural design and application, because the Advanced Folding Partition installation is custom engineered. Sure to meet the individual requirements of your particular job.

Investigate These Advanced Features!

1. FOLDING PARTITIONS TO MEET EVERY NEED
    - AUTOMATIC — ELECTRIC
      Remote key control
    - MANUALLY OPERATED
      Top hung or floor bearing
    - SPECIAL TYPES
      For unusual or special applications
2. MODERN FUNCTIONAL DESIGN
    - ALL PARTITIONS SOUND INSULATED
      Gives complete space division
    - WIDE VARIETY OF TRACKS AND TROLLEYS
      Insures balanced design
    - SLENDER JAMB AND HEAD SECTIONS
      Provide more opening space
3. SELECTED MATERIALS
    - DOUGLAS FIR FRAMES AND PLYWOOD PANEL FACES
      Provide maximum strength and stability
    - BALL BEARING HINGES
      Assure smooth, maintenance free operation
    - ALUMINUM EDGE TRIM
      Gives lasting beauty and protection
4. CAREFUL CRAFTSMANSHIP
    - FOR BETTER FINISHED APPEARANCE
    - PRECISE ATTENTION TO DETAIL
      Means trouble free operation

ADVANCED FUNCTIONS AND APPLICATIONS

Flexible division of floor space requiring both visual and audio separation is best achieved with Advanced folding partitions. Allowing multiple activities within a specified floor area, these folding partitions contribute substantial cost reductions.

Building construction, usage, and opening size are controlling factors in order to select the proper type of partition for a given opening. The table below lists several Advanced partition types and their applications. Information relative to size limitations, stacking space requirements, and installed partition weight should be obtained from your Advanced representative or through the factory. As a "rule of thumb," however, the weight may be estimated at five pounds per square foot of opening for standard construction.

Type 1A partitions must have an odd number of equal width panels for a partition folding one way, or for one half of a bi-parting partition.

Configuration of type 2 partitions folding one way, or one half of a bi-parting type 2 partition should be an odd number of full width panels plus one half-panel.

For greatest economy, select the maximum panel width (up to four feet wide) which is consistent with available stacking space and configuration requirements above.

Thickness for all partitions over 12 feet high and for other partitions should be 3 inches, unless stacking dimensions are critical. For reduced stacking dimensions on partitions under 12 feet high specify 2¼" thickness.

ADVANCED—OPTIONAL FEATURES

- PASS DOORS for partitions 7 ft. 6 in. high and greater, complete with flush latch, 1½ pr. hinges, threshold. Pass door is 7 ft. high above floor; width to be same as normal panel section less ten inches.
- POCKET DOORS of same construction as partition panel, manually operated, complete with hardware, designed to close the pocket when partition is either in open or closed position.
- ELECTRICAL INTERLOCK for pocket door of type 1A partition. Prevents operation when pocket doors are not fully open.
- MECHANICAL OPERATION by means of hand crank. Specifications are similar to type 1A, including automatic floor seals, but using mechanical rather than electrical operator.
- TOP SEALS of flexible neoprene in contact with soffit.
- CORKBOARD AND CHALKBOARD installed with aluminum trim as shown on plans. Include chalk pockets as detailed.
- TRACK SWITCHES to transfer type 5 partition panels to different sections of track. Manual operation, or, for high openings, remote electrical operation is available.

TABLE OF ADVANCED FOLDING PARTITION TYPES AND APPLICATIONS

TYPE	OPERATION	SUSPENSION	RECOMMENDED APPLICATIONS
1A	Automatic—Electric Remote key control	Top Center Hung	Gymnasiums — Banquet Halls Openings Where Automatic Opening, Closing and Locking By Key Operation is Desirable
2	Manual Hinged Together Single or Bi-Parting	Top Center Hung	Room Division — Small Conference Rooms Class Rooms — Dining Rooms — Churches
3	Manual Hinged in Pairs	Top Hung W/Floor Guide	Room Division and Stages Where It Is Desirable for the Panels to Stack to One Side of Track
4	Manual Hinged in Pairs	Floor Bearing Over Head Guide	Use Only Where Over Head Support Is Not Adequate (Floor Track Must Be Level) Stacks to One Side of Centerline
5	Manual Individual Panel	Over Head 2 Trolleys Each Panel	When it is desirable to store panels away from opening, and for sliding bi-pass partitions
6	Special Designs		For Unique Conditions Where Standard Design Is Not Applicable

For detail drawings and specifications of Partition Types 3 through 6 consult your Advanced representative, or engineering department of Advanced Equipment Corporation.

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SPECIFICATIONS TYPE 1A FOLDING PARTITION

Advanced Automatic-Electric Folding Gymnasium Partition.

GENERAL:

Furnish and install Advanced type 1A automatic electric folding partition (partitions) as shown on plans.

OPERATION:

Partition shall be top hung, operating on steel I beam track, and equipped with sealed ball bearing hangers. Door suspension shafts shall be equipped with ball thrust bearings. Floor tracks or guides extending across the opening will not be employed.

Method of operation shall provide complete control from the key control switch located as shown on the drawings. Folding and unfolding of the partition, locking in the open and closed positions, and operation of the automatic floor seal shall be by this means.

A minimum clearance of 1 in. shall be provided below the bottom of the partition when opening or closing, but the final closing movement of the partition shall cause this space to be sealed completely by a moulded foam neoprene seal, and firmly lock all sections in the closed position.

Mechanical equipment shall include for each opening a 220 volt 3 phase electric operator designed to move the partition at approximately 24 f.p.m. Bearings to be sealed ball or roller type; gears to operate in oil bath. Motor controls, limit switches, disconnect clutch, disconnect switch and all other equipment required for proper operation shall be provided.

Power transmission shall be by roller chain of adequate capacity operating over sprockets equipped with anti-friction bearings. Moving parts of floor seal mechanism shall be protected from wear by oil impregnated bronze sleeve bearings.

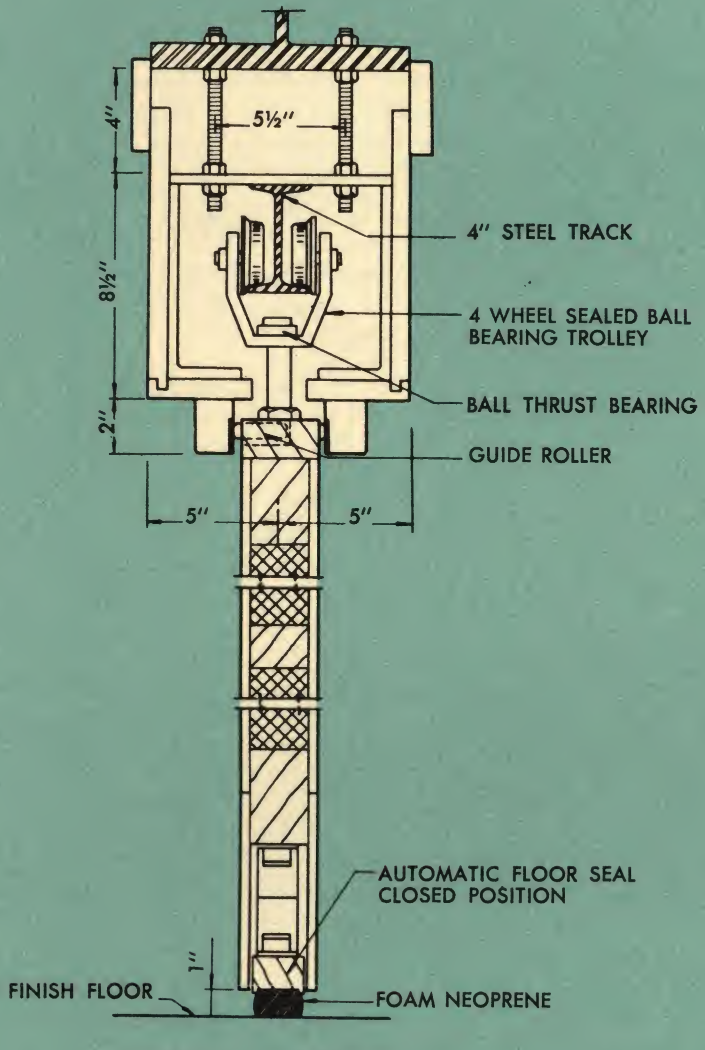
Partition panel sections . . . (refer to panel specifications, normally specify DFPA Grade "A" with wainscot for gymnasium use; include pocket doors and pass doors, if required). Panel edges shall be protected by heavy, polished and lacquered aluminum astragals, full panel height. Exposed hardware with *(baked aluminum finished hinges unless otherwise specified)* finish, shall include ball bearing hinges for partition (and pocket) doors.

All finishing of wood to be by others.

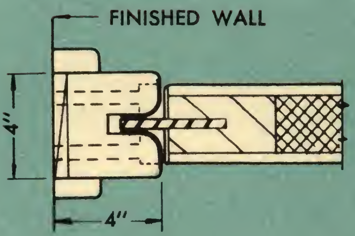
Supporting steel to be punched or drilled by others, and track hanger bolts set in accordance with layout furnished by manufacturer. Electrical wiring, hook-up, and conduit by others.

GUARANTEE:

Installation to be performed under the supervision of a factory trained mechanic. Manufacturer shall guarantee the complete installation against defects in material and workmanship for a period of one year.



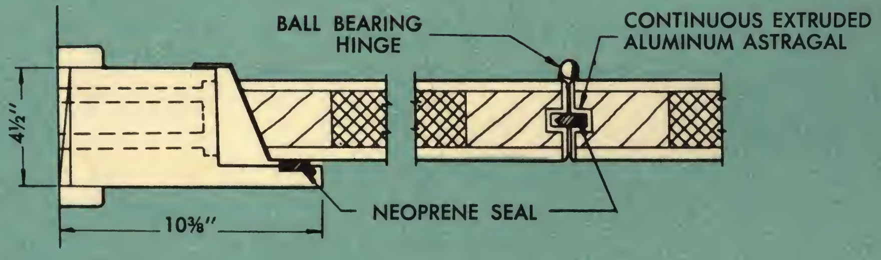
VERTICAL SECTION



SECTION THRU MEETING JAMB

OPERATION:
Cylinder lock key-switch actuates all operations in proper sequence. Folding, unfolding, and operation of seals is completely automatic.

JAMBS:
Partitions folding one way require one meeting jamb and one pivot jamb. Bi-folding partitions require two pivot jambs.



SECTION THRU PIVOT JAMB

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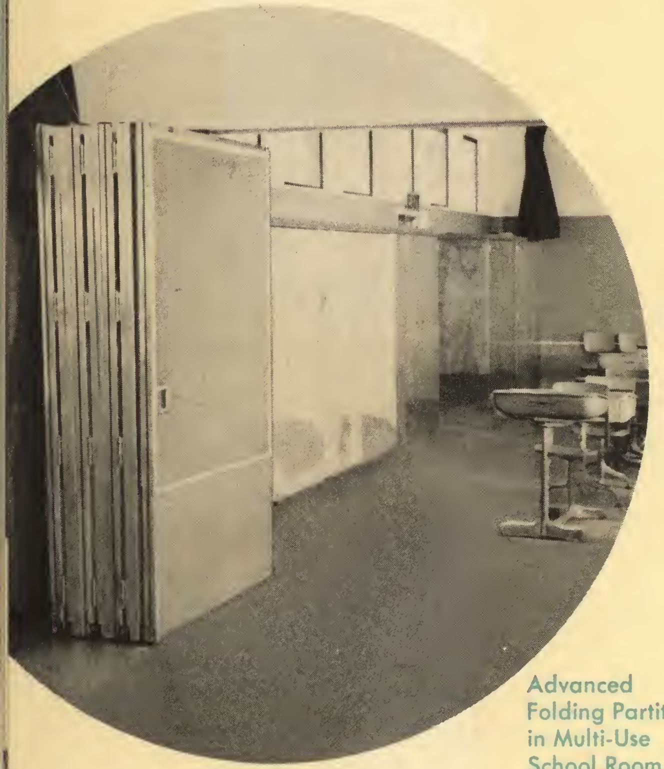
SPECIFICATIONS TYPE 2 FOLDING PARTITION

GENERAL:

Furnish and install Advanced type 2 folding partitions as shown on the plans.



Advanced Folding Partition in Multi-Use School Room.

OPERATION:

Partition shall be hinged together, top-center hung with four wheel ball bearing trolleys for alternate full-width panels. Trolleys to operate in 2½ inch by 3½ inch steel track, 13 gauge. Track shall be secured to supporting overhead structure by means of threaded hanger bolts attached to steel head brackets, with head brackets spaced at 30 inches except over stacking area where spacing shall be 15 inches. Locking of the partition in the closed position shall be by means of flush bolts engaging inlaid floor plates.

Partition panel sections . . . (insert section from "Panel Specifications").

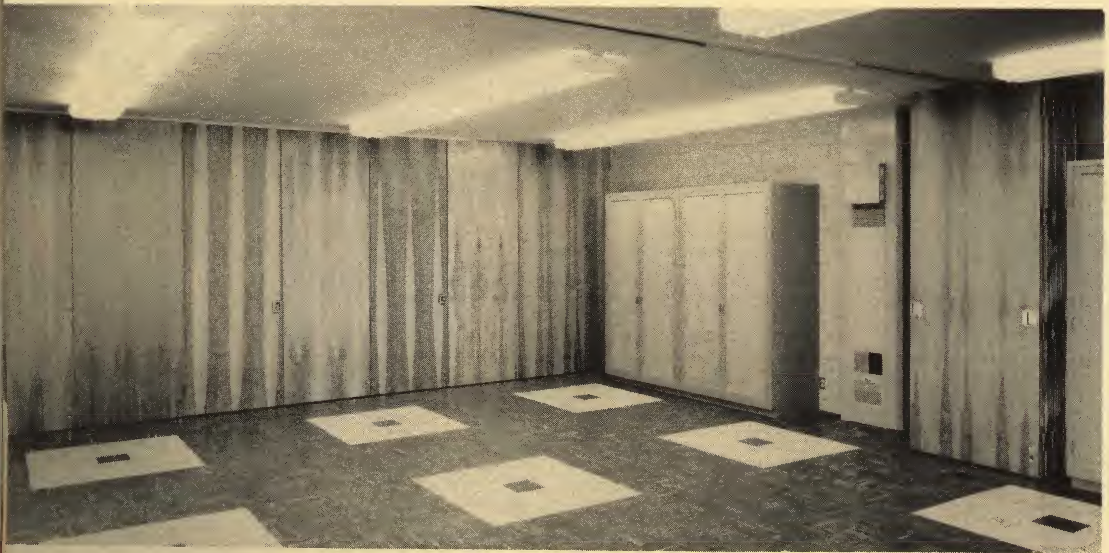
Exposed hardware with__________________finish shall include ball bearing hinges, flush bolts, and flush cup pulls. Panel edges to be protected by continuous extruded aluminum members. Each panel to be equipped with full floating neoprene floor seal. Provide ball bearing guide rolls at top of panels to eliminate wear. Partitions shall be complete in all respects, without the need for additional rough bucks or concealed head blocking.

WORK BY OTHERS:

Drilling or punching of supporting structure, and placing of hanger rods to be done by others, in conformance with template furnished by partition manufacturer. All finishing of wood to be by others.

GUARANTEE

Manufacturer to guarantee the workmanship and materials of the partition for a period of one year.



Advanced Folding Partition Used to Divide Church Classroom.

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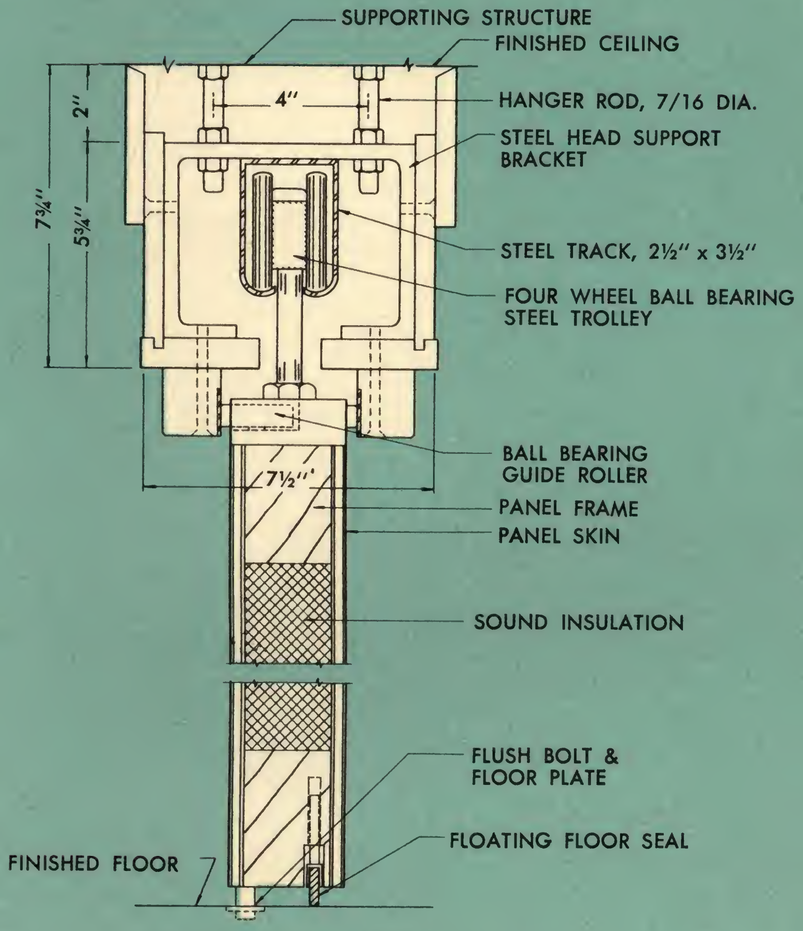
DETAILS

TYPE 2

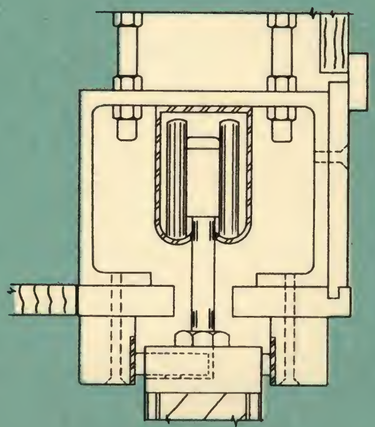
FOLDING PARTITION

Manually operated folding partition, top-center hung with trolleys on alternate full width panels.

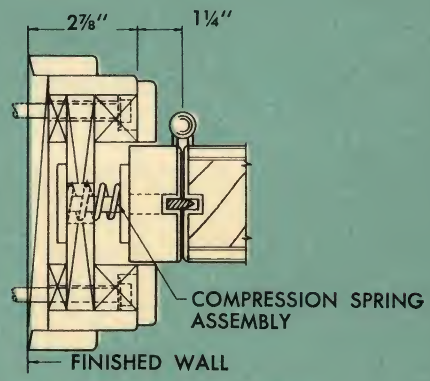
Partitions folding one way require one hinge jamb and one meeting jamb. Bi-folding partitions require two spring hinge jambs.



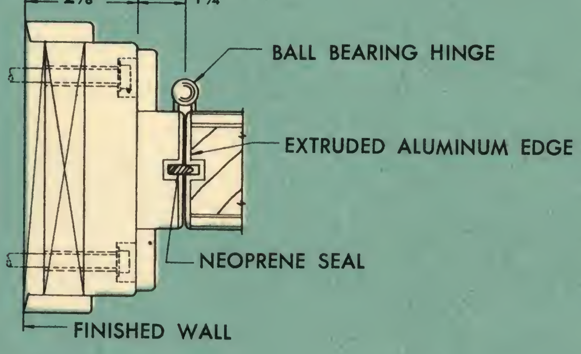
VERTICAL SECTION



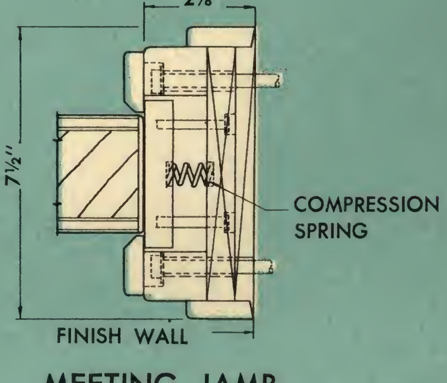
HEAD SECTION
Showing Alternate Configurations



SPRING HINGE JAMB



HINGE JAMB



MEETING JAMB

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PANEL CONSTRUCTION SPECIFICATIONS

PANEL CONSTRUCTION — consists of kiln dried douglas fir core, fiberglass packing, face sheets laminated with thermo-setting adhesive.

FACING MATERIAL may be plywood of almost any grade and species. D.F.P.A. grade "A" douglas fir plywood ⅜" thick is recommended as a durable, economical face material — hardwood plywoods are normally ¼" thick.

When an extremely smooth surface, with no grain effect is desired, for good painting properties, specify douglas fir plywood with medium density plastic overlay.

Wainscot material, when specified, may be plastic overlaid fir plywood, hardboard or other material as desired. Wainscot normally extends to a point 7'0" above finish floor. Covering with No. 10 roll duck is available when specified.

TYPICAL PANEL SPECIFICATION

Partition panel sections shall be heavy, lattice core, kiln dried, douglas fir frame covered with (grade) (specie) plywood full height, both sides. Panels to be______inches thick.

Panel sections shall be constructed of frames with plywood pressure-laminated with thermo-setting adhesive to all face surfaces. All spaces within shall be packed with fiberglass. Space between extended sections shall be sealed by means of an extruded neoprene molding, interlocked with heavy aluminum astragals of width equal to panel thickness. This aluminum astragal should extend the full height of all panel sections, and be firmly attached with flush aluminum screws. Head trim, jambs to be of (grade) (specie)** as detailed.

**normally vertical grain douglas fir

For purpose of product improvement, we reserve the right to make changes in details and specifications without prior notice.

Details and specifications for other types of partitions such as pair-operated and special applications, pocket dimensions, design weights, lay-out drawings, etc. are available. For more information and professional assistance . . .

CALL ON YOUR
ADVANCED REPRESENTATIVE

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FOLDING PARTITIONS

ADVANCED EQUIPMENT CORPORATION
1000 EAST SOUTH STREET • ANAHEIM, CALIFORNIA

Installing Distributors in Principal Cities.

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